| 0 | For receiving Office use only | | |
|-------|---|---|--|
| 0-1 | International Application No. | | |
| 0-2 | International Filing Date | | |
| 0-3 | Name of receiving Office and *PCT International Application* | | |
| | <u>. </u> | | |
| 0-4 | Form PCT/RO/101 PCT Request | | |
| 0-4-1 | Prepared Using | PCT-SAFE [EASY mode] Version 3.50 (Build 0002.173) | |
| 0-5 | Petition | | |
| | The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty | | |
| 0-6 | Receiving Office (specified by the applicant) | Japan Patent Office (RO/JP) | |
| 0-7 | Applicant's or agent's file reference | 50509871 | |
| ī | Title of Invention | PHOTONIC CRYSTAL HAVING HETEROSTRUCTURE AND OPTICAL DEVICE USING THE PHOTONIC CRYSTAL | |
| II | Applicant | *** | |
| 11-1 | This person is | applicant only | |
| 11-2 | Applicant for | all designated States except US | |
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| II-7 | State of residence | JP | |
| II-11 | Applicant's registration No. with the Office | 504132272 | |

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|------------------|--|---|--|
| 111-1-1 | This person is | applicant only | |
| III-1-2 | Applicant for | all designated States except US | |
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| | <u>.</u> | 1038272 | |
| | | Japan | |
| III-1 - 6 | State of nationality | JP | |
| III-1-7 | State of residence | JP | |
| 111-1-11 | Applicant's registration No. with the Office | 000003067 | |
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| 111-2-2 | Applicant for | US only | |
| 111-2-4 | Name (LAST, First) | NODA, Susumu | |
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| III-2-6 | State of nationality | JP | |
| III-2 - 7 | State of residence | JP | |
| III-3 | Applicant and/or inventor | | |
| III-3-1 | This person is | applicant and inventor | |
| III-3-2 | Applicant for | US only | |
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| III-3-6 | State of nationality | JP | |
| III-3-7 | State of residence | JP | |

| 111-4 | Applicant and/or inventor | | |
|--------------|---|--|--|
| 111-4-1 | This person is | applicant and inventor | |
| III-4-2 | Applicant for | US only | |
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| | | Japan | |
| III-4-6 | State of nationality . | JP | |
| III-4-7 | State of residence | JP | |
| IV-1 | Agent or common representative; or address for correspondence | | |
| | The person identified below is hereby/ | agent | |
| | has been appointed to act on behalf of the applicant(s) before the competent | | |
| | International Authorities as: | * | |
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| IV-1-5 | e-mail | kyopat@kyopat.jp | |
| IV-1-6 | Agent's registration No. | 100095670 | |
| V | DESIGNATIONS | 100093670 | |
| V-1 | The filing of this request constitutes | | |
| | under Rule 4.9(a), the designation of | | |
| | all Contracting States bound by the PCT on the International filing date, | | |
| | for the grant of every kind of | | |
| | protection available and, where applicable, for the grant of both | | |
| | regional and national patents. | | |
| VI-1 | Priority claim of earlier national application | | |
| VI-1-1 | Filing date | 25 March 2004 (25.03.2004) | |
| VI-1-2 | Number | 2004-090407 | |
| VI-1-3 | Country | JP | |
| VI-2 | Priority document request | | |
| - | The receiving Office is requested to | | |
| | prepare and transmit to the International | VI-1 | |
| | Bureau a certified copy of the earlier | | |
| | application(s) identified above as | | |

| VIF1 | International Searching Authority Chosen | Japan Patent Office | (ISA/JP) |
|--------|--|----------------------------|-----------------------------|
| VIII | Declarations | Number of declarations | |
| VIII-1 | Declaration as to the identity of the inventor | - | |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | <u>-</u> | |
| VIII-3 | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | - | |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America) | - | |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | - | |
| IX | Check list | number of sheets | electronic file(s) attached |
| IX-1 | Request (including declaration sheets) | 5 | ✓ |
| IX-2 | Description | 16 | - |
| IX-3 | Claims | 2 | _ |
| IX-4 | Abstract | 1 | ✓ |
| IX-5 | Drawings | 8 | _ |
| IX-7 | TOTAL | 32 | |
| | Accompanying Items | paper document(s) attached | electronic file(s) attached |
| IX-8 | Fee calculation sheet | / | - |
| IX-17 | PCT-SAFE physical media | - | ✓ |
| IX-19 | Figure of the drawings which should accompany the abstract | 2 | |
| IX-20 | Language of filing of the international application | Japanese | |
| X-1 | Signature of applicant, agent or common representative | | |
| X-1-1 | Name (LAST, First) | | |
| X-1-2 | Name of signatory | | |
| X-1-3 | Capacity | | |

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| 10-1 | Date of actual receipt of the purported international application | |
|--------|---|---------------------------|
| 10-2 | Drawings: | |
| 10-2-1 | Received | |
| 10-2-2 | Not received | |
| 10-3 | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application | |
| 10-4 | Date of timely receipt of the required corrections under PCT Article 11(2) | |
| 10-5 | International Searching Authority | ISA/JP |
| 10-6 | Transmittal of search copy delayed until search fee is paid | |
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| 11-1 | Date of receipt of the record copy by the International Bureau | |